

# Product datasheet

Specifications



trip unit MicroLogic 2.2 for  
ComPacT NSX 160/250 circuit  
breakers. electronic. rating 160A. 3  
poles 3d

C1632D160

Price: 2,655.15 ZAR

## Main

|                                |                                                                                                                                                            |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range                          | ComPacT new generation                                                                                                                                     |
| Range Of Product               | ComPacT NSX100...250 new generation                                                                                                                        |
| Product Or Component Type      | Trip unit                                                                                                                                                  |
| Trip Unit Name                 | MicroLogic 2.2                                                                                                                                             |
| Trip Unit Technology           | Electronic                                                                                                                                                 |
| Range Compatibility            | ComPacT new generation NSX160<br>ComPacT new generation NSX250                                                                                             |
| Device Application             | Distribution                                                                                                                                               |
| Poles Description              | 3P                                                                                                                                                         |
| Protected Poles Description    | 3D                                                                                                                                                         |
| Trip Unit Protection Functions | LSol                                                                                                                                                       |
| Protection Type                | L : for overload protection (long time)<br>So : for short time short-circuit protection with fixed delay<br>I : for instantaneous short-circuit protection |
| Trip Unit Rating               | 160 A at 40 °C                                                                                                                                             |
| [Ue] Rated Operational Voltage | 690 V AC 50/60 Hz                                                                                                                                          |
| Network Type                   | AC                                                                                                                                                         |
| Network Frequency              | 50/60 Hz                                                                                                                                                   |
| Circuit Breaker Mounting Mode  | Fixed                                                                                                                                                      |

## Complementary

|                                                           |                                                         |
|-----------------------------------------------------------|---------------------------------------------------------|
| Long-Time Pick-Up Adjustment Type Ir (Thermal Protection) | Adjustable 9 settings                                   |
| [Ir] Long-Time Protection Pick-Up Adjustment Range        | 63...160 A                                              |
| Long-Time Protection Delay Adjustment Type Tr             | Fixed                                                   |
| [Tr] Long-Time Protection Delay Adjustment Range          | 11 s at 7.2 x Ir<br>16 s at 6 x Ir<br>400 s at 1.5 x Ir |
| Thermal Memory                                            | 20 minutes before and after tripping                    |
| Short-Time Protection Pick-Up Adjustment Type Isd         | Adjustable 9 settings                                   |
| [Isd] Short-Time Protection Pick-Up Adjustment Range      | 1.5...10 x Ir                                           |
| Short-Time Protection Delay Adjustment Type Tsd           | Fixed                                                   |
| Instantaneous Protection Pick-Up Adjustment Type Ii       | Fixed                                                   |

Excluding VAT and subject to change. Please check with your local distributor through "Where to buy"

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

|                                                        |                                                                                                                   |
|--------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| [Ii] Instantaneous Protection Pick-Up Adjustment Range | 2400 A                                                                                                            |
| Earth-Leakage Protection                               | Without                                                                                                           |
| Zone Selective Interlocking Zsi                        | Without                                                                                                           |
| Local Signalling                                       | Flashing LED (green) for ready to operate<br>LED 105 % Ir (red) for overload<br>LED 90 % Ir (orange) for overload |

## Environment

|                                       |                              |
|---------------------------------------|------------------------------|
| Standards                             | EN/IEC 60947-2               |
| Electrical Shock Protection Class     | Class II                     |
| Pollution Degree                      | 3 conforming to IEC 60947-1  |
| Ip Degree Of Protection               | IP40 conforming to IEC 60529 |
| Ambient Air Temperature For Operation | -25...70 °C                  |
| Ambient Air Temperature For Storage   | -50...85 °C                  |

## Packing Units

|                              |           |
|------------------------------|-----------|
| Unit Type Of Package 1       | PCE       |
| Number Of Units In Package 1 | 1         |
| Package 1 Height             | 6.600 cm  |
| Package 1 Width              | 9.700 cm  |
| Package 1 Length             | 11.200 cm |
| Package 1 Weight             | 429.000 g |
| Unit Type Of Package 2       | S03       |
| Number Of Units In Package 2 | 24        |
| Package 2 Height             | 30.000 cm |
| Package 2 Width              | 30.000 cm |
| Package 2 Length             | 40.000 cm |
| Package 2 Weight             | 10.813 kg |

Sustainability



**Green Premium™ label** is Schneider Electric’s commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

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Transparency   RoHS/REACH

## Well-being performance

 Mercury Free

 RoHS Exemption Information   [Yes](#)

## Certifications & Standards

|                          |                                                                                                                       |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Reach Regulation         | <a href="#">REACH Declaration</a>                                                                                     |
| Eu Rohs Directive        | Compliant with Exemptions                                                                                             |
| China Rohs Regulation    | <a href="#">China RoHS declaration</a><br>Product out of China RoHS scope. Substance declaration for your information |
| Environmental Disclosure | <a href="#">Product Environmental Profile</a>                                                                         |
| Circularity Profile      | <a href="#">End of Life Information</a>                                                                               |